From	To	Simpkins Lee Theatre Moderated by Igor Perko, Alfonso Reyes					
09:15	10:00	**Registration**					
10:00	10:10	**Welcome speech: Raul Espejo**					
10:10	10:40	**Introduction: Igor Perko, Alfonso Reyes**					
10:40	11:40	**Keynote: Juliana Mariano Alves** **Water Governance for Sustainability: What Do We Need for a Viable Future?**					
11:40	12:00	**Coffee break**					

From	To	Olga Pocock Room 3.2 CyberSystemic examination of Interactions, relationships, and agents of change Moderated by Igor Perko and Jerzy Josefczyk		Simpkins Lee Theatre 2.3 A Shift in paradigm: how the Viable System Model shapes collaborative, self-governing Moderated by Angela Espinosa and Jon Walker		Mary O'Brien Room 2.1 Systemic Governance and Management Moderated by Markus Schwaninger and Sandro Schlindwein	
12:00	12:20	Igor Perko, Jerzy Józefczyk	Interactions – CyberSystemic perspectives	Angela Espinosa, Jon Walker	From viability supporting competitiveness to sustainable self-governance and collaboration, as the basis for a post-capitalistic society	Xinfang Wang, Weize Wu, Yingying Feng, Bing Xu	Participatory system mapping for emissions reduction of food cold chain
12:20	12:40	Seshadri Ramaswamy	Cybernetics of Open systems evolution– reciprocal self-organization of sensation/action and cognition/thought pairs	David Cooper	New Horizons for the Viable System Model	Johannes Klinglmayr	Breaking up system boundaries via individualized decision support systems
12:40	13:00	Thirachai Chiraphacharacharoenkun	"Cognition", "Consciousness" and "Cognitive Consciousness"	Stephen Harwood	Ontological Cybernetics Revisited	Véronique Gignoux-Ezratty	Supervision of Organizational Adaptation through Systems Thinking
13:00	14:00	**Lunch break**					

From	To	Olga Pocock Room 3.2 CyberSystemic examination of Interactions, Moderated by Igor Perko and Jerzy Josefczyk		Simpkins Lee Theatre 2.3 A Shift in paradigm: how the Viable System Moderated by Angela Espinosa and Jon Walker		Mary O'Brien Room 2.1 Systemic Governance and Management Moderated by Markus Schwaninger and Sandro Schlindwein	

Keynote John Beckford Still in Torment: (Re)Designing Freedom (14:00 – 15:00)

From	To	Olga Pocock Room — 3.2 CyberSystemic examination of Interactions, Moderated by Igor Perko and Jerzy Josefczyk		Simpkins Lee Theatre — 2.3 A Shift in paradigm: how the Viable System, Moderated by Angela Espinosa and Jon Walker		Mary O'Brien Room — 2.1 Systemic Governance and Management, Moderated by Markus Schwaninger and Sandro Schlindwein	
15:00	15:20	Vasja Roblek, Judita Peterlin, Vlado Dimovski	The emergence of new capabilities for learning and understanding the work with cobots in healthcare	Wolfgang Lassl, Jens Martignoni	The final clue of viability and sustainability … Is it hidden in Dorian Gray's picture?	Bojan Žlahtič, Peter Kokol, Grega Žlahtič, Milan Zorman	Mapping the Evolution of Systemic Governance and Management: A Bibliometric Analysis
15:20	15:40	Vojko Potocan	Organisational interactions – From Industry 4.0 to Industry 7.0 and beyond	James Fox	Spaces of dissent and recounting variety in a democratic beverage company.	Houda A. Khayame, Kevin B. Collins, Ray L. Ison	Appreciating systemic governing of humanbiosphere relationships in the Anthropocene: Scotland's River Dee
15:40	16:00	Faisal L. Kadri	On The Cybernetics of Humour: Can Humour Predict Individual Personality Dimensions?	Stephen Brewis	Enhancing Life Beyond Subsistence: Applying Stafford's VSM Model to manage Perception and Active Inference to increase model evidence by reducing	Jonathan Randall, Tom Jackson, Peter Kawalek, John Beckford	Cultural Challenges in the Adoption of Data-Driven Decision Making
16:00	16:20	Gandolfo Dominici	Eigenform and brand value cocreation	Peter Tuddenham	Navigating the Waves of Change: Advancing Ocean Literacy through a Recursive, Viable System Model	Peng Jiang	Analysis of the collaborative innovation effect of China's "dual pilot" policy
16:20	16:40	Louis Klein	Realising the humanising organisation	Angus Jenkinson	A VSM governance tool and agricultural paradigm change for climate and ecology	Markus Schwaninger, Stefan Ott	Coping with Global Warming: A Systemic Design, Scope, and Scale
16:40	17:00	**Coffee break**					

From	To	Olga Pocock Room 3.2 CyberSystemic examination of Interactions, Moderated by Igor Perko and Jerzy Josefczyk		Simpkins Lee Theatre WORKSHOP	Mary O'Brien Room 2.1 Systemic Governance and Management Moderated by Markus Schwaninger and Sandro Schlindwein	
17:00	17:20	Petter Øgland, Gary Evans	A New Methodology in Support of Critical Systems Thinking: Critical Systems Intervention (CSI)		Roberta R.A. de Castro, Aquiles Simoes, Sandro L. Schlindwein	A framework for systemic governance of social-ecological systems in the Brazilian Amazon
17:20	17:40	Teodora Ivanuša, Matjaž Mulej, Blaž Markelj	At the Crossroad of Information Security and Inverse Cybernetics: The complexity of interactions / relationships between Cyberneticians versus Cybersecurity Experts	**VSM Criteria for a post capitalistic society: Practical implications** **Moderated by Angela Espinosa, Jon Walker, Juliana Mariano Alves, Allenna Leonard, Angus Jenkinson, and Peter Tuddenham**		William J. Reckmeyer	Better Governance for a Better World in the Anthropocene: A CyberSystemic Perspective
17:40	18:00	**Workshop on Interactions in Meetings, Incentives, Conferences and Exhibitions Moderated By Igor Perko**			Maja Borlinič Gačnik , Andrej Škraba, Črtomir Rozman	Impact of rising temperatures on viticultural biomass in Slovenia: A System Dynamics Approach
18:00	18:20				open discussion	

From	To	Simpkins Lee Theatre Moderated by Igor Perko, Alfonso Reyes				
09:00	10:00	**Keynote: Sergio Barile Value sharing - new approach**				
		Olga Pocock Room 2.2 Exploring the nexus of ecology, society, and Moderated by Francesco Caputo		Simpkins Lee Theatre 1.2 Enhancing democratic processes Moderated by José Perez Rios and Raul Espejo		Mary O'Brien Room 3.1 AI in the environment of uncertainty Moderated by Yingjie Yang and Massimiliano Pirani
10:00	10:20	Taja Macek, Tadeja Jere Jakulin	Multicriteria Model of Shore Excursions Sustainability in the Frame of System Dynamics	Jose Perez Rios	Structural design and democracy. The Viable Systems Model in the face of Artificial Intelligence advances.	Massimiliano Pirani, Alessandro Cucchiarelli, Luca Spalazzi	Blockchain and the unexpected: taming complexity in sustainable supply chains
10:20	10:40	Marialuisa Saviano, Majid Heidari, Daniele Verderese	Sustainable Tourism Governance: a systems thinking Triple Helix approach	Raul Espejo	Citizenship and design of structural mechanisms	Aleksandr Raikov, Meng Guo	Photonic AI for embracing the uncertainty of the environment
10:40	11:00	Samuel Plečko, Barbara Bradač Hojnik, Polona Tominc	The Role of Multidimensional Digital Transformation for Sustainable Business	Rafael Rodríguez de Cora, Ricardo Barrera	School of Democracy with Complexity and Cyber Systemic approach	Milan Zorman, Aldo Offenheimer, Bert Pluymers, Juan Pérez Rodríguez, Dionysios Panagiotopoulos, Bojan Žlahtič, Tanja Botić, Aleš Holoba	EU.FFICIENT - Shaping a Community of AI Expert Facilitators in EU
11:00	11:20	**Coffee break**				

From	To	2.2 Exploring the nexus of ecology, society, and Moderated by Francesco Caputo		1.2 Enhancing democratic processes Moderated by José Perez Rios and Raul Espejo		3.1 AI in the environment of uncertainty Moderated by Yingjie Yang and Massimiliano Pirani	
11:20	11:40	Tadeja Jere Jakulin, Vid Jakulin	Complex Systems Modelling: A Systems Approach in Tourism and Criminal Law	Clas-Otto Wene, Raul Espejo	Double Closed Non-Trivial Machines: from Learning Systems to Nation States and Global Decarbonising	Naiming Xie	Understanding of grey information and grey system modelling
11:40	12:00	Anna Roberta Gagliardi, Luca Carrubbo, Antonietta Megaro	From Platformization to Community-Centric Resilience: Understanding the Sharing Economy through System Thinking	Vladimir Lepskiy	Enhancing active citizenship in self-developing polysubject environments (ontological approach)	Yifan Zhang, Wenping Wang	Study on the Influencing Factors of Carbon Intensity in Chinese Regional Manufacturing Industry Based on Grey BO-XGBoost
12:00	12:20	Marialuisa Saviano, Anna Di Vernieri	Synergies between digitization and sustainability: systems thinking insights from the Italian recovery and resilience plan for healthcare	Germán Bula Escobar	Colombia 2023: democracy, responsibility, and decentralisation	Mingli Hu, Mengqi Wu, Wenjie Liu	A novel seasonal grey prediction model with external impacts and its application
12:20	13:00	**A festschrift in honour of Professor Raul Espejo**					
13:00	14:00	**Lunch break**					

From	To	Olga Pocock Room 2.2 Exploring the nexus of ecology, society, and Moderated by Francesco Caputo		Simpkins Lee Theatre 1.2 Enhancing democratic processes Moderated by José Perez Rios and Raul Espejo		Mary O'Brien Room 3.1 AI in the environment of uncertainty Moderated by Yingjie Yang and Massimiliano Pirani	
14:00	14:20	Žan Domanjko, Igor Perko	Holistic perspective of AI based inventory forecasting – implications on business user experience	Lowell Christy	American Cybernetic Experiment in Governance: Shaping the Conversational Ecosystem for Exceptionalism	Sifeng Liu, Wei Tang, Lianyi Liu, Yingjie Yang	Multiple Uncertainty Data Fusion and Reliability Growth Model for Complex Equipment
14:20	14:40	Marialuisa Saviano, Mario Testa, Rita Klapper, Adriana Apuzzo	From experiential learning to eco-systems awareness: a Sustainable Outdoor Training approach	Valarie Lamont	Journey Upstream to the Wellsprings of Democracy and its Revitalization	Peixin Li, Yaoguo Dang	GAX-based Time Series Hierarchical Clustering Algorithm
14:40	15:00	Claudio Del Regno, Mirko Perano, Francesco Caputo, Rosario Bianco	Decoding the World 5.0: A system thinking overview for interconnecting Society 5.0 and Industry 5.0	Sujay Dinnalli, Ushma Desai	Change management supported by dialogue-building and the Viable System Model – case study of an Indian firm.	Tingting He, Yaoguo Dang	An interval grey number risk decision model for venture capital project selection
15:00	15:20	Francesca Igini, Arturo Cafaro, Mario Calabrese	Cybernetic Strategies: Fashion's Sustainable Supply Chain Evolution with Ship-then-Shop	Robert M. Cutler	The Soviet Regime under Khrushchev and Brezhnev: Complex-System Preparation for Failure	Yun Cao, Lele Guo, Ning Cao, Peng Jiang	A new grey multivariable dummy variable model for predicting marine disaster losses
15:20	15:40	**Coffee break**					

		Olga Pocock Room 2.2 Exploring the nexus of ecology, society, and economics in organizational governance Francesco Caputo		Simpkins Lee Theatre Symposium on CyberSystemic Organisations		Mary O'Brien Room 3.1 AI in the environment of uncertainty Moderated by Yingjie Yang and
15:40	16:00	Paolo Barile, Guido Iandiorio, Clara Bassano	Reinterpreting the Art of Selling: a Consonance-based Approach for Vendor Chatbots	**Markus Schwaninger**	**Conversations on Recursive organisations**	Zi-Sheng Wang	Forecasting the marine "3E" systems based on new grey multivariable prediction model
16:00	16:20	Tachia Chin, Zhisheng Li	Climate Governance Action and Corporate ESG Performance: Evidence from China			Michail Kozlov	Mandatory features and differences of intelligences. Waves of indoctrination.
16:20	16:40	Silvia Baiocco, Paola Maria Anna Paniccia, Roberto Basili, Danilo Croce	Integrating artificial intelligence and machine learning into tourism destination management	**Allenna Leonard**	**Conversations on Politics VS Democracy**	Nikolai Razin	AI: irrevocable shift from problem solving-making to problem complexity analyzing
16:40	17:00	Pietro Vito, Gerardo Bosco, Mario Calabrese, Raffaele D'Amore, Francesca Iandolo, Antonio La Sala, Giuliano Maielli, Alessia Sciarrone	Enhancing Efficiency and Sustainability through Systemic Thinking in Industrial Symbiosis initiatives	**Conversations on Changing the Institutional Landscape to Prepare for Systemic Change** **Moderated by Lowell Christy, Michele Friend, Louis Klein, and Valarie Lamont**		**Workshop on structures in Meetings, Incentives, Conferences and Exhibitions** **Moderated By Francesco Caputo**	
17:00	17:20	Ineza Gagnidze	A Circular Economy Business Model to Balance the Pillars of Sustainability				
17:20	17:40	Pooyan Sedarati, Tadeja Jere Jakulin, Francisco Manuel Dionísio Serra	Analyzing Smart Tourism Ecosystems for Sustainable Development: A System Dynamics Approach				
19:00	21:00	**Formal WOSC 2024 Congress Dinner (casual elegant dressing code)**					

From	To	Simpkins Lee Theatre Moderated by Igor Perko, Alfonso Reyes			
09:00	10:00	**Keynote: Jason Jixuan Hu - A teaching toolset for learning the CyberSystemics**			

From	To	Olga Pocock Room 1.1 Citizenship, as a property that emerges from an interactive process Moderated by Allenna Leonard and Zoraida Mendiwelso Bendek		Simpkins Lee Theatre 4.1 Cybernetic and Systems Education: Past, Present and Future Moderated by Matthew Holt and William Reckmeyer		Mary O'Brien Room 3.1 AI in the environment of uncertainty Moderated by Massimiliano Pirani	
10:00	10:20	Zoraida Mendiwelso-Bendek, Rebecca Michell Herron	Community-Based Research and its connections with Systems Thinking and Cybernetics	William J. Reckmeyer	Cybernetics and Systems Education: Critical Formative Activities During Its First Quarter-Century (1967-1992)	Baohua Yang, Kegang Li	The influence of standardization methods on the stability of grey correlation rank
10:20	10:40	Agustin Domingo	F. Varela and Ch. Taylor: cyber systemic and political philosophy keys to identity	Matthew Holt	Cybernetic Education for the 21st Century: The School of Cybernetics at the Australian National University	Bojan Žlahtič, Grega Žlahtič, Milan Zorman, Peter Kokol	Explainable artificial intelligence and Data canyons in the context of cybernetics
10:40	11:00	Maruša Lubej, Martin Dolezal, Katja Kerman, Marija Javornik, Monika Lamot, Boris Vezjak, Teodor Petrič and Andrej Kirbiš	The impact of affective polarization on political participation: a systematic review	Samuil Gorelik, Vladimir Grudinin, Michail Kozlov, Alexander Khopyorsky	Formation of personal digital image while the educational process is based on "hybrid intelligence" technology	Wenjie Liu	Variable neighbourhood search embedded perturbation mechanism for multi-depot vehicle routing problem with simultaneous delivery & pickup, and time limit
11:00	11:20	Piero Dominici	Technocracy or Democracy? Educating Citizens in the Era of Automation and Simulation	Ramsés Fuenmayor, Alfonso Reyes	A Holistic foundation for teaching-learning games	Open discussion	
11:20	11:40	**Coffee break**					

From	To	Olga Pocock Room 1.1 Citizenship, as a property that emerges from an Moderated by Allenna Leonard and Zoraida Mendiwelso Bendek		Simpkins Lee Theatre 4.1 Cybernetic and Systems Education: Past, Present and Moderated by Matthew Holt and William Reckmeyer		Mary O'Brien Room
11:40	12:00	Allenna Leonard	Using the Viable System Model to Assist Active Citizenship	Clive Holtham	Reshaping 21st century higher education to underpin cybernetic and systems thinking	**Workshop** **Creating Pathways to Systemic Change** **Moderated by** **Lowell Christy, Valarie Lamont, and Louis Klein**
12:00	12:20	El Wilkinson-Cunningham	Active Withernsea: a community development project in a hyper local place with a systems thinking focus	Qiuhui Dai	The Effects of Gamified Self-Regulation with Virtual Rewards for Self-Learning Performance	
12:20	12:40	Michèle Friend, Martine Legris	Citizen's Panel: 4 innovations	Hernán López-Garay	The Role of Art in the (Re)Education of Systems Thinkers	
12:40	13:00			Amanda Gregory	Systems Thinking in the Professional Context: Short Exposure for Long-Term Impact	
13:00	13:20	open discussion		Rita Klapper	Past meets future: AI in transformational education - lessons from German children tv	
13:20	14:20	**Lunch break**				

	Simpkins Lee Theatre
14:20 15:20	**Keynote: Alfonso Reyes Exploring New Organizational Forms for WOSC**
15:20 16:20	**Panel: Meet the editors, moderated by Francesco Caputo** **Igor Perko, _Kybernetes_ , CyberSytemic examinations of collaborative ecosystems** **Matthew Holt, William Reckmeyer and Alfonso Reyes, _Systems research and behavioural science_ , Cybernetics-Systems** **Academic Programs** **Manlio Del Giudice, _Journal of Knowledge Management_ , special feature** **Igor Perko, Alfonso Reyes and Raul Espejo, _Emerald monography_ , Shaping Collaborative Ecosystems for Tomorrow** **Vojko Potočan, Massimiliano Pirani, _Systems (_ open access), CyberSystemic Transformations for Social Good** **Francesco Caputo, _Journal of Intellectual Capital_ , special feature**
16:20 17:00	**Open round table CyberSystemic organisations: plans for the future, proposals for cooperation** **Rafael Rodríguez de Cora - SESGE,** **Matthew Holt - School of Cybernetics,** **Naiming Xie - IAGSUA,** **Francesco Caputo - ASVSA** **Moderated by Alfonso Reyes and Igor Perko**
17:00 17:20	**Congress Closure - Awards for the best authors**
17:20 17:40	**Coffee break**
17:40 18:20	**WOSC board of directors meeting**